

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P#

Luminaire Tested: **4RSRK-150-HE-L840**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1811-041-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4RSRK-150-HE-L840
Description: 4ft RSRK, 1500 LUMEN PER FOOT 80CRI 4000K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

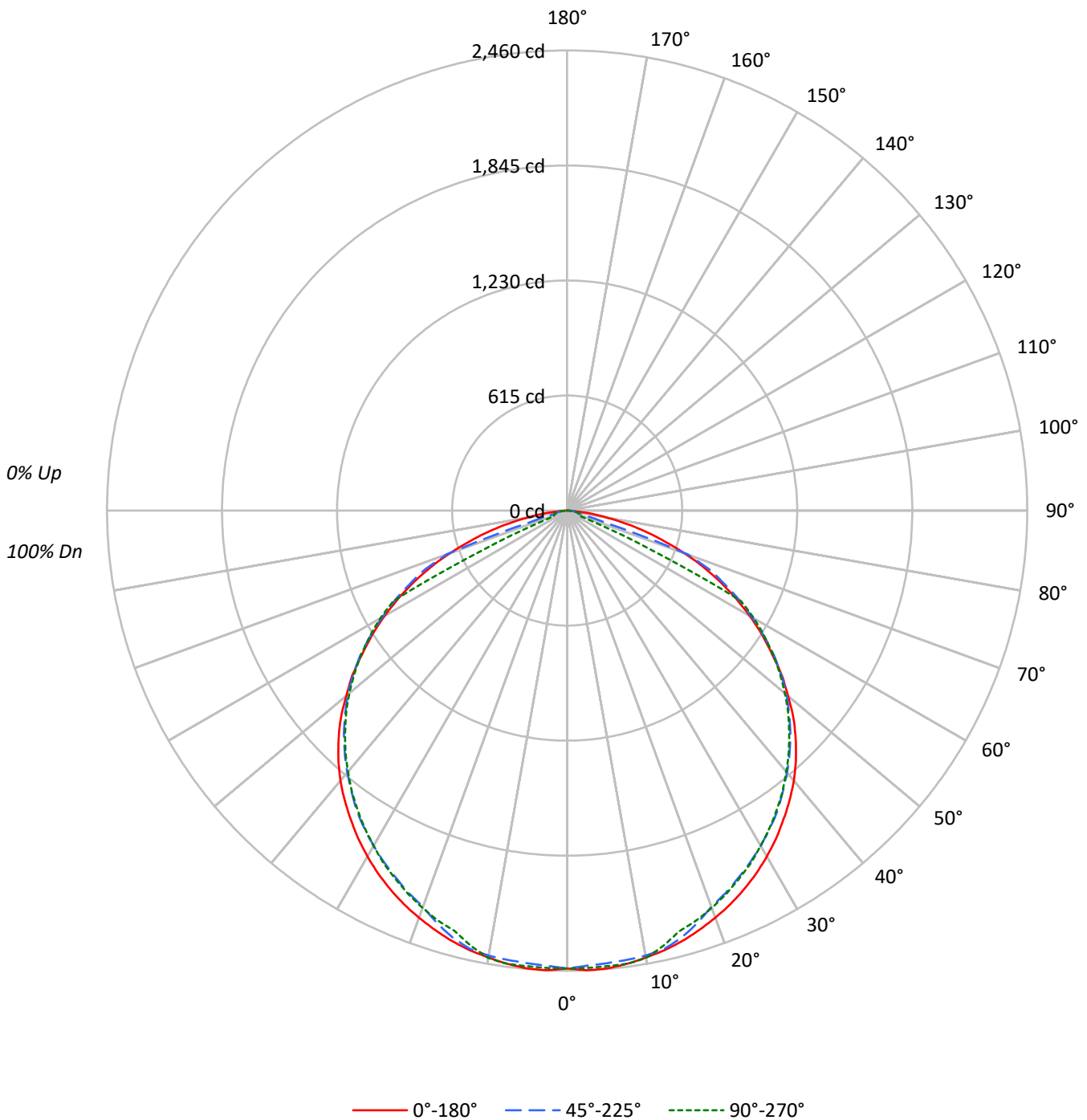
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6738.1 lumens
Efficiency: N/A
Efficacy: 152.4 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.26 / 1.4
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 44.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	105	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
8	61	48	39	34	60	47	39	34	46	39	33	45	38	33	43	37	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6586	6586	6586
5°	6637	6561	6603
10°	6628	6603	6637
15°	6636	6584	6479
20°	6633	6454	6472
25°	6636	6432	6451
30°	6634	6430	6430
35°	6623	6439	6418
40°	6622	6424	6402
45°	6578	6424	6388
50°	6451	6412	6360
55°	6277	6336	6306
60°	6073	6140	6208
65°	5752	5911	3124
70°	5263	5386	590
75°	4518	650	715
80°	3391	823	823
85°	1738	868	772



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.5	3.5
10°-20°	666.1	9.9
20°-30°	1012.7	15.0
30°-40°	1233.6	18.3
40°-50°	1305.3	19.4
50°-60°	1197.3	17.8
60°-70°	807.6	12.0
70°-80°	244.1	3.6
80°-90°	39.0	0.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1911.4	28.4
0°-40°	3144.9	46.7
0°-60°	5647.5	83.8
0°-90°	6738.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6738.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2448	2448	2448	2448	2448	
5°	2457	2438	2429	2451	2444	233
15°	2382	2370	2363	2344	2326	672
25°	2235	2232	2166	2188	2173	1031
35°	2016	1972	1960	1966	1954	1263
45°	1729	1688	1688	1691	1679	1331
55°	1338	1319	1350	1350	1344	1197
65°	903	891	928	941	491	892
75°	434	438	62	69	69	460
85°	56	28	28	25	25	86
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2447.6	2447.6	2447.6	2447.6	2447.6
2.5°	2460.1	2441.3	2435.1	2450.7	2447.6
5°	2457.0	2438.2	2428.8	2450.7	2444.5
7.5°	2444.5	2425.7	2422.6	2447.6	2444.5
10°	2425.7	2413.2	2416.3	2438.2	2428.8
12.5°	2407.0	2394.5	2400.7	2394.5	2382.0
15°	2382.0	2369.5	2363.2	2344.4	2325.7
17.5°	2350.7	2344.4	2313.2	2306.9	2297.6
20°	2316.3	2316.3	2253.8	2272.6	2260.1
22.5°	2278.8	2278.8	2213.2	2231.9	2219.4
25°	2235.1	2231.9	2166.2	2188.2	2172.6
27.5°	2188.2	2172.6	2119.4	2138.1	2125.6
30°	2135.0	2106.9	2069.4	2081.9	2069.4
32.5°	2078.7	2038.1	2016.2	2025.6	2013.1
35°	2016.2	1972.5	1960.0	1966.2	1953.7
37.5°	1953.7	1906.8	1894.3	1903.7	1891.2
40°	1885.0	1841.1	1828.6	1835.0	1822.5
42.5°	1810.0	1772.4	1759.9	1763.0	1753.6
45°	1728.6	1688.0	1688.0	1691.1	1678.6
47.5°	1641.1	1606.7	1609.9	1613.0	1603.6
50°	1541.0	1516.0	1531.7	1534.9	1519.2
52.5°	1447.3	1422.3	1441.0	1447.3	1434.8
55°	1337.9	1319.1	1350.4	1350.4	1344.2
57.5°	1234.8	1216.0	1247.3	1259.8	1250.4
60°	1128.4	1109.7	1140.9	1162.8	1153.4
62.5°	1015.9	1000.3	1037.8	1065.9	1047.2
65°	903.4	890.9	928.4	940.9	490.7
67.5°	787.7	778.3	822.2	297.0	78.1
70°	668.9	659.6	684.6	75.0	75.0
72.5°	547.1	550.2	218.8	71.9	71.9
75°	434.5	437.6	62.5	68.8	68.8
77.5°	322.0	328.2	59.4	62.5	62.5
80°	218.8	159.5	53.1	53.1	53.1
82.5°	131.3	37.5	40.6	40.6	37.5
85°	56.3	28.1	28.1	25.0	25.0
87.5°	18.8	12.5	12.5	9.4	9.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)